



Billet Analysis Tool (BAT)

WG5: Analytic Tools and Data
For Force Structure Analysis

26 January 2011

Briefer

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OPNAV N14B

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Background

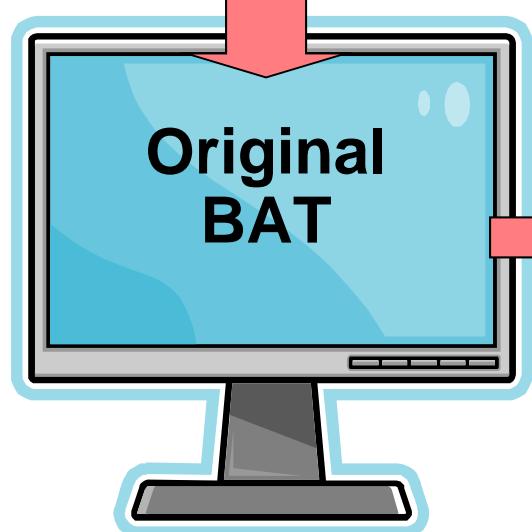
Why the Navy needs an analytic tool to study manpower requirements:

- Rising manpower costs and declining endstrength have elevated the importance of manpower requirements and costs in assessing force structure alternatives
- Previous tools to extract and compile TFMMS data to assess these alternatives were cumbersome and tedious to use
- Most assessments looked only at manpower requirements of force structure units
 - For example, if the Navy decommissions four destroyers, only the billets on these ships go away
- Need to assess the manpower effects of force structure changes within the shore infrastructure
 - For example, if the Navy decommissions four destroyers, where should shore manpower requirements decrease and by how much?
- Need to forecast requirements beyond the FYDP
 - What will requirements look like in 10, 15, and 20 years?
 - May require changes well in advance to ensure that inventory matches requirements or that requirements are executable



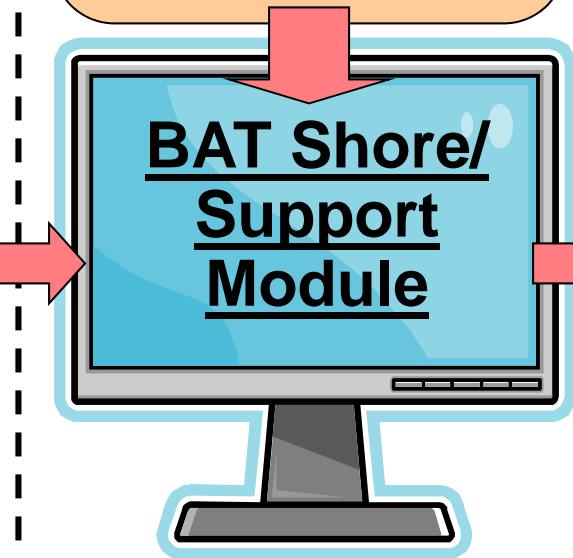
BAT Development

How will force
structure changes
affect fleet manpower
requirements?



2006

How will force
structure changes
affect shore
manpower
requirements?



What will the Navy's
manpower
requirements be in
10, 15, 20, and 30
years?



Accomplishing via WCM

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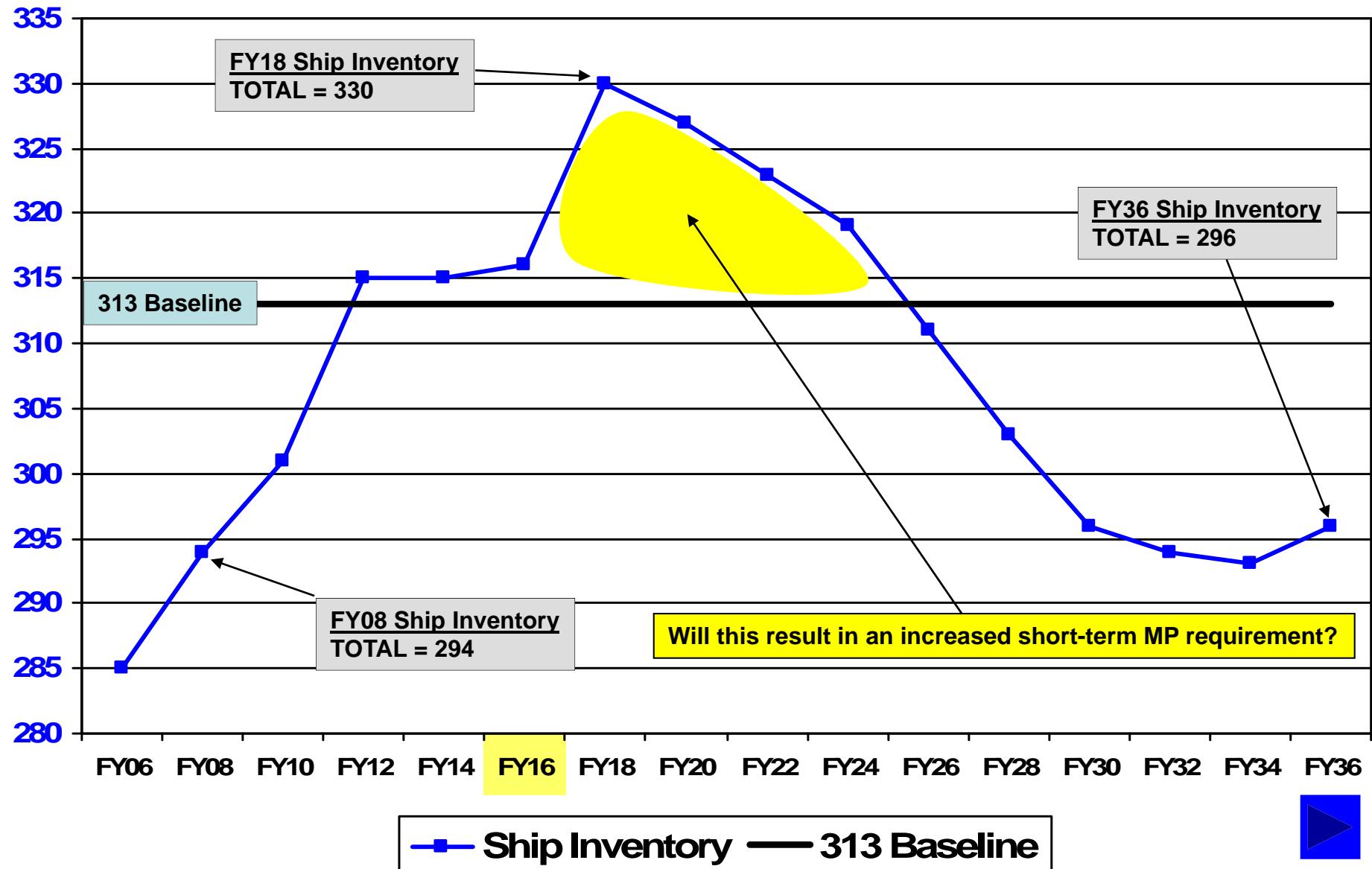


BAT EXAMPLES

- 30 YR SHIP PLAN/SEA BILLETS**
- LCS MANNING EXCURSIONS**
- CV PLAN**
- SURFACE COMBATANTS**
- COMMUNITY IMPACTS**

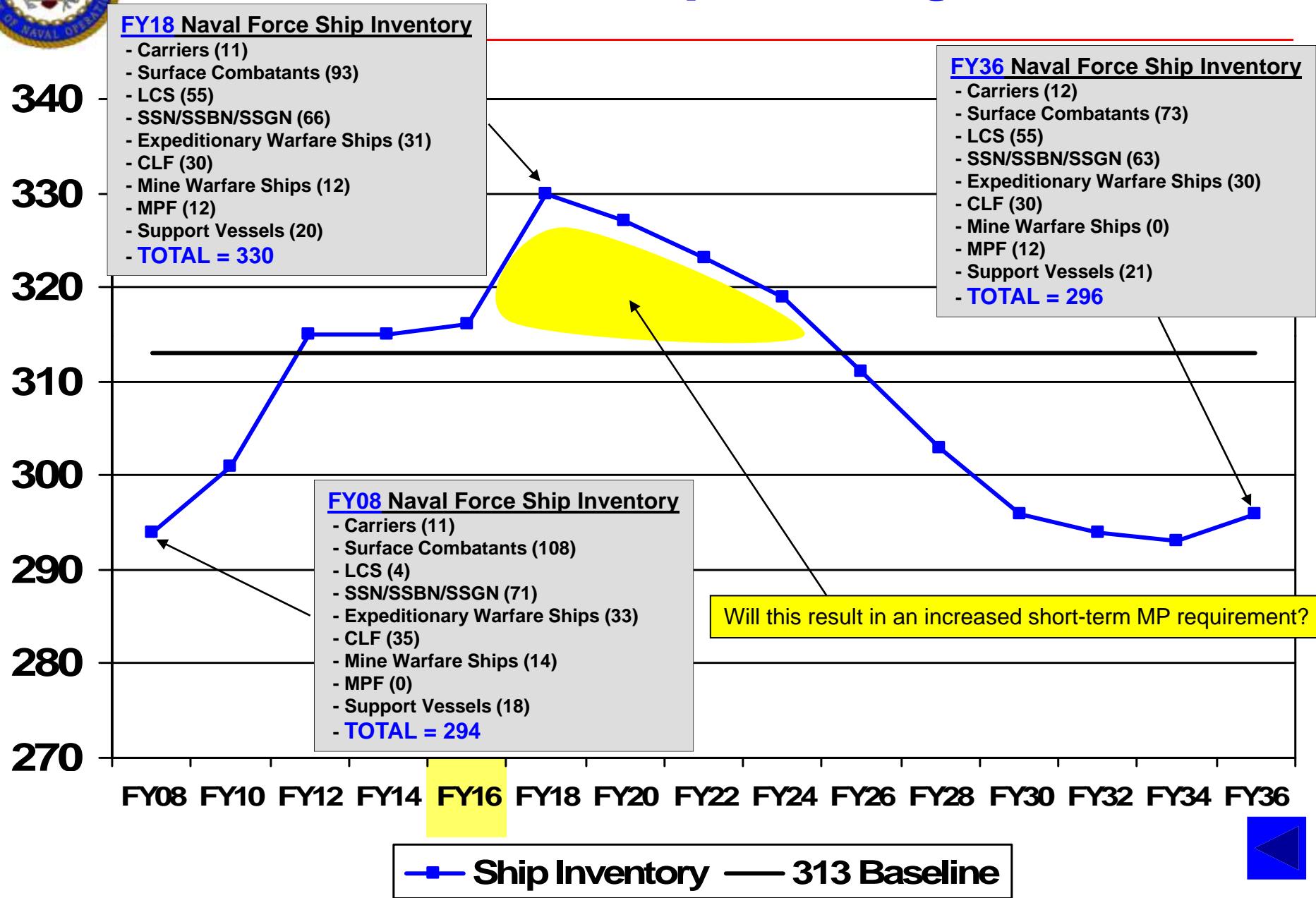


30-Year Shipbuilding Plan



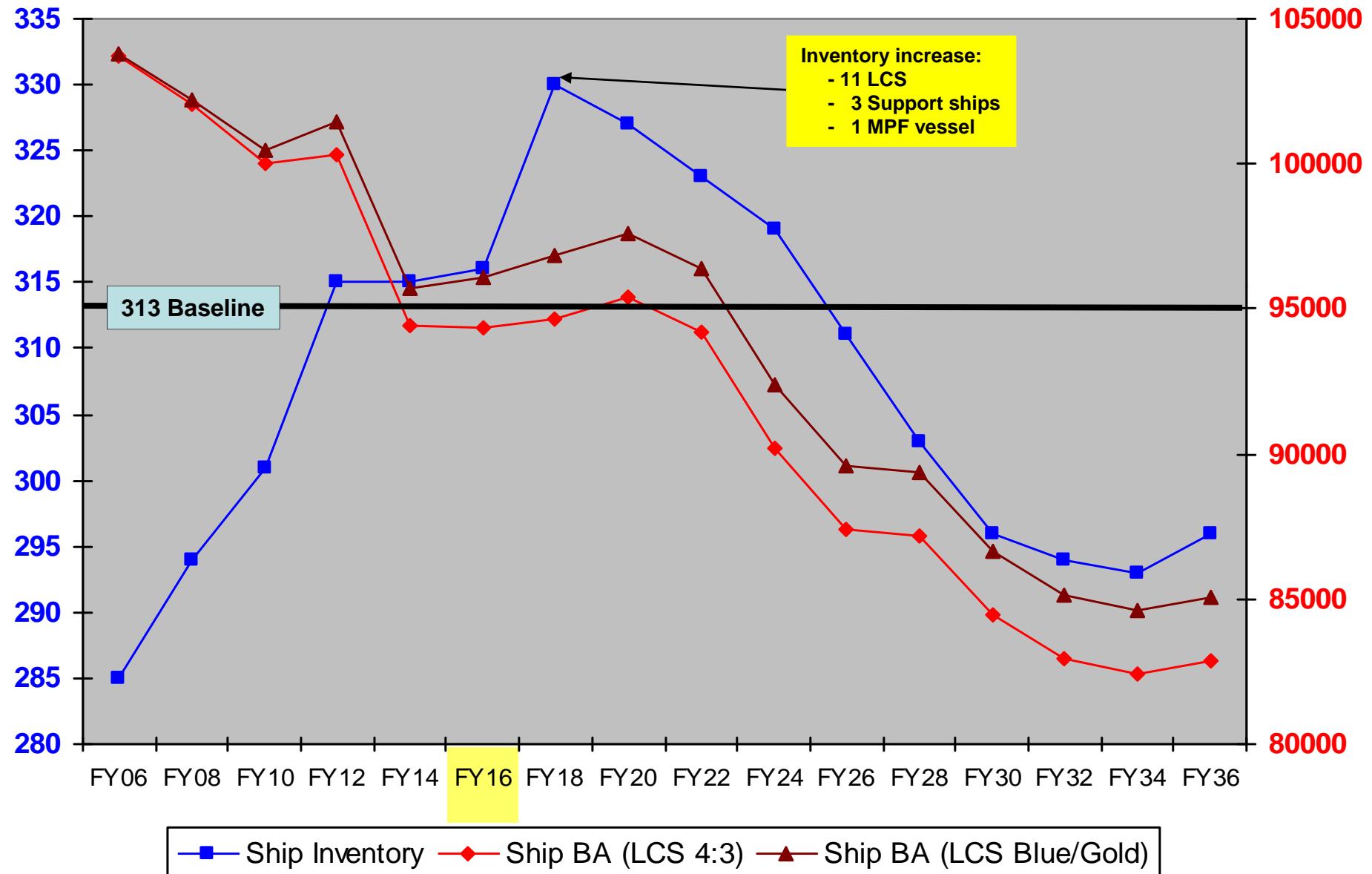


30-Year Shipbuilding Plan



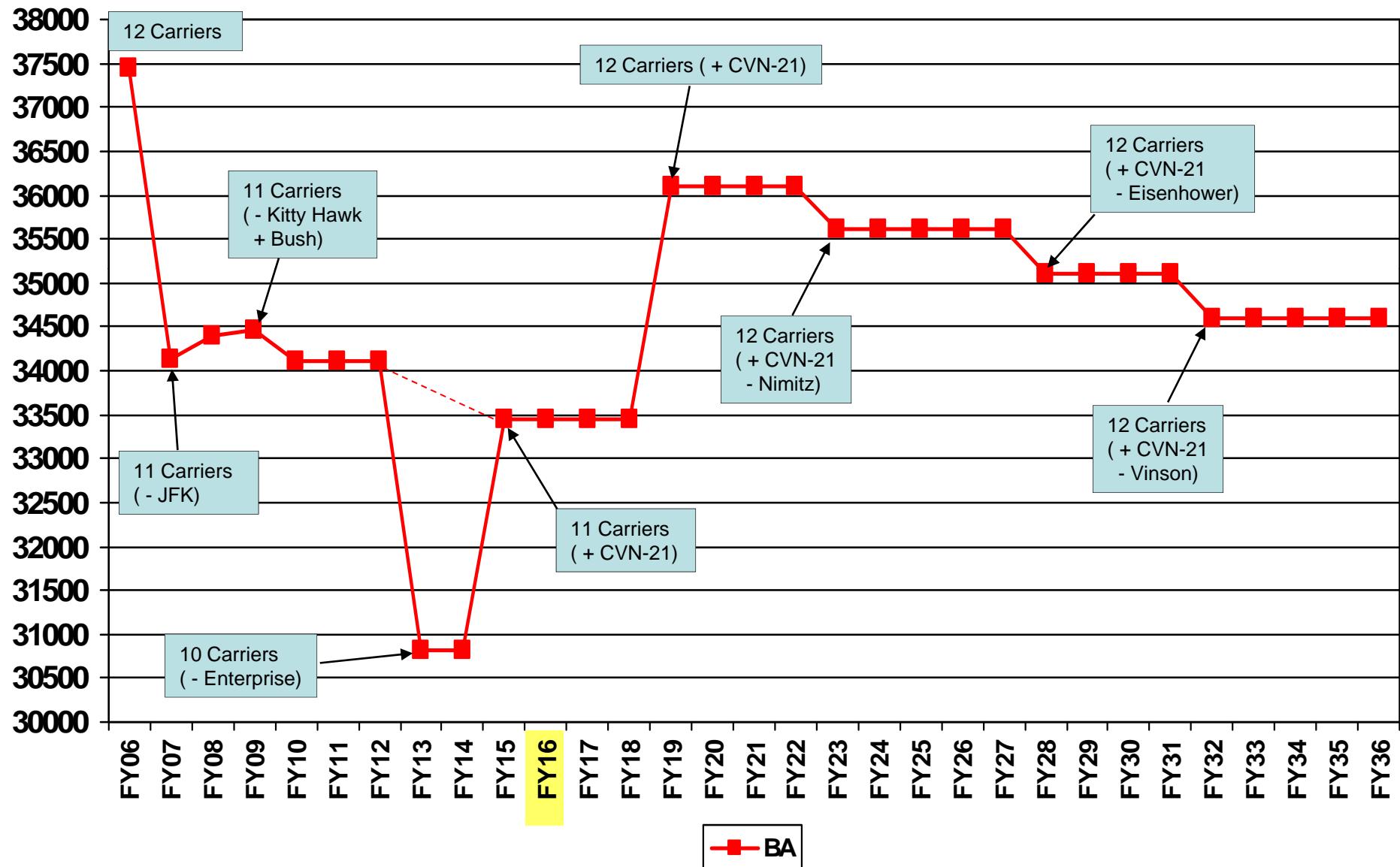


Ship Inventory vs Projected Ship BA



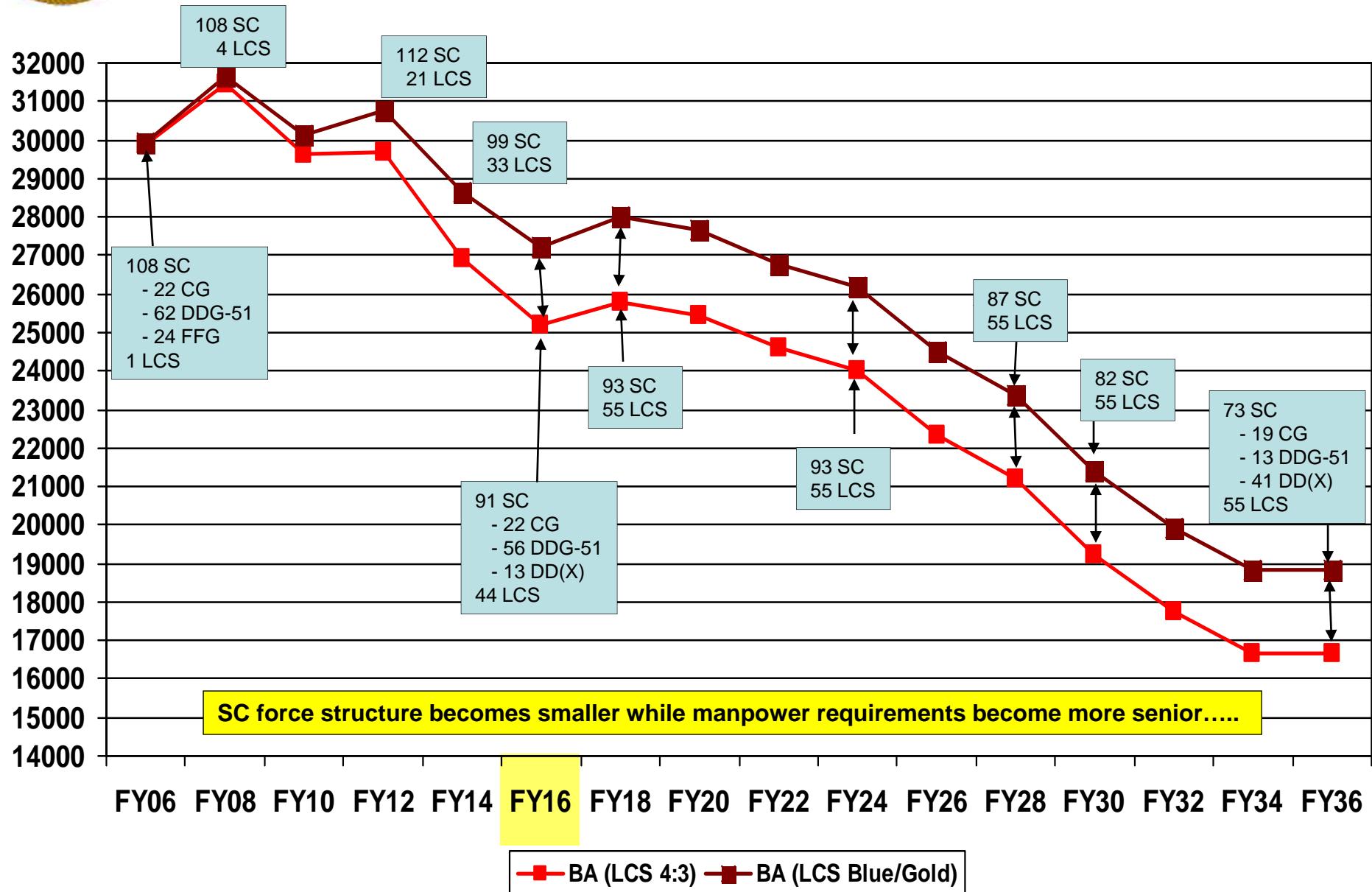


Carrier BA Beyond the FYDP





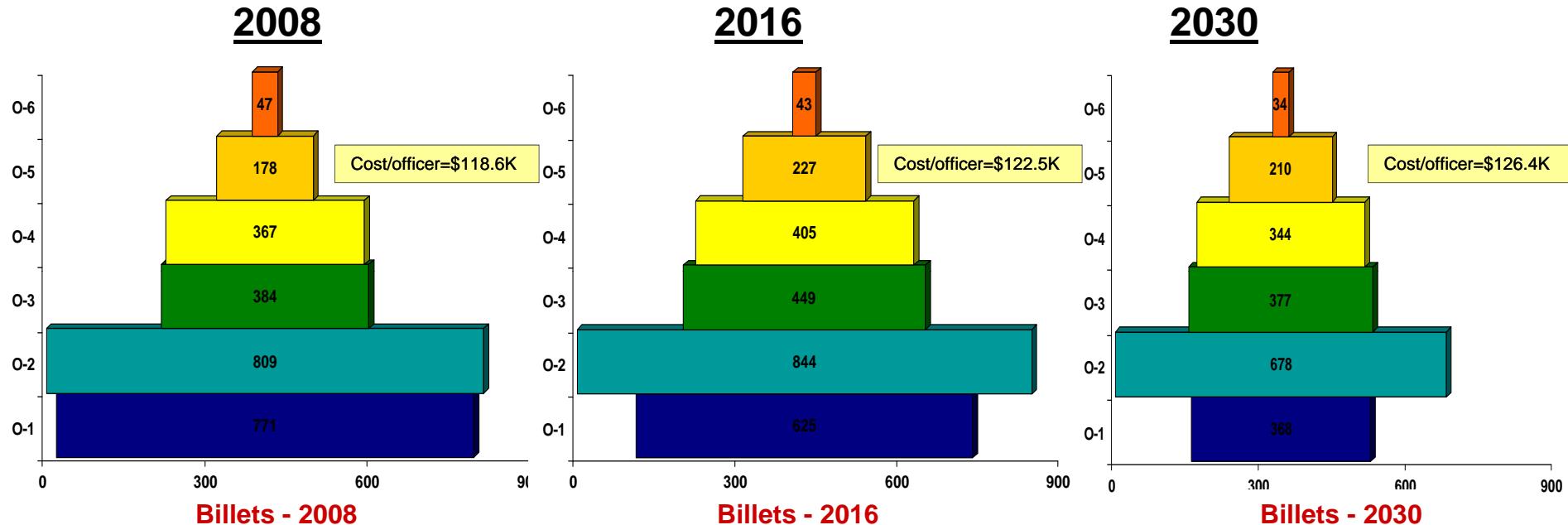
Surface Combatants (SC)





Analysis of Force Structure Change Impacts on Community Health

Surface URL Billets on All Ships (Ships Company)



- █ ENS
- █ LTJG
- █ LT
- █ LCDR
- █ CDR
- █ CAPT

Beyond the FYDP, focus must shift from accessions to retention

- Results in a more senior and more expensive (cost per member) force.
- How do we grow enough Dept Heads with a shrinking O-1/O-2 base?

Force structure decisions are creating significant community challenges



QUESTIONS